What is Claimed Is:

- 1. A lubricant composition comprising a derivatized perfluoropolyether compound including a generally linear perfluoropolyether chain and at least one Hindered Amine Light Stabilizer ("HALS") moiety at at least one end of said chain.
- 2. The lubricant composition as in claim 1, comprising at least one said HALS moiety at each end of said generally linear perfluoropolyether chain.
- 3. The lubricant composition as in claim 1, wherein said at least one HALS moiety is attached to said at least one end of said generally linear perfluoropolyether chain *via* a chemical bond between a reactive group at said at least one end of said chain and a reactive group of said HALS moiety.
- 4. The lubricant composition as in claim 3, wherein said at least one HALS moiety is a piperidine derivative having a reactive group selected from amino (-NH₂), hydroxyl (-OH), carboxylic ester (-COOR), and carboxylic chloride (-COCl) groups.
- 5. The lubricant composition as in claim 4, wherein said piperidine derivative is a 2,6-tetramethyl-piperidine and said reactive group is at the 4-position thereof.
- 6. The lubricant composition as in claim 3, wherein said generally linear perfluoropolyether chain comprises a plurality of $-(C_xF_{2x}O)_n$ repeating units, wherein x in each unit is independently an integer from 1 to about 10 and n is an integer from about 10 to about 30.
- 7. The lubricant composition as in claim 6, wherein said generally linear perfluoropolyether chain comprises at least one reactive group selected

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from ester (-COOR), alcohol (-COH), carboxylic acid (-COOH), and carboxylic chloride (-COCl) groups at said at least one end of said chain

- 8. The lubricant composition as in claim 1, further comprising a solvent for said derivatized perfluoropolyether compound.
 - 9. A data/information storage and retrieval medium, comprising:
- (a) a substrate including a layer stack thereon, said layer stack including a surface and at least one magnetic or magneto-optical ("MO") recording layer; and
- (b) a thin film or layer of a lubricant formed on said surface, comprised of a derivatized perfluoropolyether compound including a generally linear perfluoropolyether chain and at least one Hindered Amine Light Stabilizer ("HAS") moiety at at least one end of said chain.
 - 10. The medium according to claim 9, wherein:

said derivatized perfluoropolyether compound includes said generally linear perfluoropolyether chain and a said HALS moiety at each end thereof.

- 11. The medium according to claim 9, wherein said at least one HALS moiety is attached to said at least one end of said generally linear perfluoropolyether chain *via* a chemical bond between a reactive group at said at least one end of said chain and a reactive group of said HALS moiety.
- 12. The medium according to claim 11, wherein said at least one HALS moiety is a piperidine derivative having a reactive group selected from amino (-NH₂), hydroxyl (-OH), carboxylic ester (-COOR), and carboxylic chloride (-COCl) groups.
- 13. The medium according to claim 12, wherein said piperidine derivative is 2,6-tetramethyl-piperidine and said reactive group is at the 4-position thereof.

- 14. The medium according to claim 11, wherein said generally linear perfluoropolyether chain comprises a plurality of $-(C_xF_{2x}O)_n$ repeating units, wherein x in each unit is independently an integer from 1 to about 10 and n is an integer from about 10 to about 30.
- 15. The medium according to claim 14, wherein said generally linear perfluoropolyether chain comprises at least one reactive group selected from ester (-COOR), alcohol (-COH), carboxylic acid (-COOH), and carboxylic chloride (-COCl) groups at said at least one end of said chain
- 16. The medium according to claim 9, wherein said substrate (a) is disk-shaped and said surface of said layer stack comprises a carbon (C)-based protective overcoat material.
- 17. A method of manufacturing a data/information storage retrieval medium, comprising steps of:
- (a) providing a substrate including a layer stack thereon, said layer stack including a surface and at least one magnetic or magneto-optical ("MO") recording layer; and
- (b) forming a thin film or layer of a lubricant on said surface of said layer stack, comprised of a derivatized perfluoropolyether compound including a generally linear perfluoropolyether chain and at least one Hindered Amine Light Stabilizer ("HALS") moiety at at least one end of said chain.
 - 18. The method according to claim 17, wherein:
- step (b) comprises forming a thin film or layer of a lubricant comprised of said derivatized perfluoropolyether compound including said generally linear perfluoropolyether chain and a said HALS moiety at each end thereof.
 - 19. The method according to claim 17, wherein:

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step (b) comprises forming a thin film or layer of a lubricant comprised of said derivatized perfluoropolyether compound wherein said at least one HALS moiety is attached to said at least one end of said generally linear perfluoropolyether chain *via* a chemical bond between a reactive group at said at least one end of said chain and a reactive group of said HALS moiety.

20. The method according to claim 19, wherein:

step (b) comprises forming a thin film or layer of a lubricant comprised of said derivatized perfluoropolyether compound wherein said at least one HALS moiety is a piperidine derivative having a reactive group selected from amino (-NH₂), hydroxyl (-OH), carboxylic ester (-COOR), and carboxylic chloride (-COCl) groups.

21. The method according to claim 20, wherein said piperidine derivative is a 2,6-tetramethyl-piperidine and said reactive group is at the 4-position thereof.

22. The method according to claim 19, wherein:

step (b) comprises forming a thin film or layer of a lubricant comprised of a derivatized perfluoropolyether compound including a generally linear perfluoropolyether chain comprised of a plurality of $-(C_xF_{2x}O)_n$ - repeating units, wherein x in each unit is independently an integer from 1 to about 10 and n is an integer from about 10 to about 30.

23. The method according to claim 22, wherein:

step (b) comprises forming a thin film or layer of a lubricant comprised of a derivatized perfluoropolyether compound including a generally linear perfluoropolyether chain comprising at least one reactive group selected from ester (-COOR), alcohol (-COH), carboxylic acid (-COOH), and carboxylic chloride (-COCl) groups at said at least one end of said chain.

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24. The method according to claim 17, wherein:

step (a) comprises providing a disk-shaped substrate and said surface of said layer stack comprises a carbon (C)-based protective overcoat material.

25. The method according to claim 17, wherein:

step (b) comprises submerging said substrate with said layer stack thereon in a solution comprising said derivatized perfluoropolyether compound in a solvent and withdrawing said substrate with said layer stack thereon from said solution to form said thin film or layer of said lubricant on said surface of said layer stack.

- 26. A method of synthesizing a derivatized perfluoropolyether compound useful as a lubricant stabilized against Lewis acid-catalyzed decomposition when utilized as a thin film lubricant layer of a thin film data/information storage and retrieval media, comprising steps of:
- (a) providing a precursor perfluoropolyether compound including a generally linear perfluoropolyether chain having at least one reactive group at at least one end of said chain; and
- (b) reacting said at least one reactive group of said precursor compound with a reactive group of a Hindered Amine Light Stabilizer ("HALS") compound to form a generally linear derivatized perfluoropolyether compound having a HALS moiety at said at least one end of said chain.

27. The method according to claim 26, wherein:

step (b) comprises reacting a reactive group at each end of said precursor compound with a reactive group of a said HALS compound to form a generally linear derivatized perfluoropolyether compound having a said HALS moiety at each end of said chain.

28. The method according to claim 26, wherein:

step (a) comprises providing a precursor perfluoropolyether compound including a generally linear perfluoropolyether chain having at least one reactive group selected from ester (-COOR), alcohol (-COH), carboxylic acid (-COOH), and carboxylic chloride (-COCl) groups at said at least one end of said chain; and

step (b) comprises reacting said at least one reactive group of said precursor with a HALS compound comprising a reactive group selected from amino (-NH₂), hydroxyl (-OH), carboxylic ester (-COOR), and carboxylic chloride (-COCl) groups.

29. The method according to claim 28, wherein:

- step (a) comprises providing a precursor perfluoropolyether compound having a generally linear chain comprised of a plurality of $-(C_xF_{2x}O)_n$ repeating units, wherein x in each unit is independently an integer from 1 to about 10 and n is an integer from about 10 to about 30; and
- step (b) comprises reacting said at least one reactive group of said precursor compound with a HALS compound in the form of a 2,6-tetramethyl-piperidine with said reactive group thereof at the 4-position.
 - 30. A data/information storage and retrieval medium, comprising:
- (a) a substrate including a layer stack thereon, said layer stack including a surface and at least one magnetic or magneto-optical ("MO") recording layer; and
- 5 (b) chemically stabilized means for lubricating said surface of said layer stack.